

START

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183-H SOLAR EVAPORATION BASINS UNIT MANAGERS MEETING

ATTENDEES: J. J. Witczak, Ecology

DATE: June 13, 1989

J. E. Goodenough, DOE-RL ERD

LOCATION: Richland, WA

S. B. Clifford, WHC

C. J. Geier, WHC

M. A. Mihalic, WHC

M. C. Hughes, WHC

E. W. Powers, WHC

F. A. Ruck, III, WHC

D. E. Smoot, WHC

PURPOSE: Unit meeting concerning activities at 183-H Solar Evaporation Basin (TSD No. T-1-4).

ACTIVITY STATUS:

1. Hazardous Waste Volume Reduction - Evaporation

No major discussions were held during this meeting. It was noted that the evaporation rate is less than expected due to the unusually cool and wet spring weather. The volume of liquid left in the basins has increased slightly, however the total volume is close to the original estimates for solidification. Recording of liquid levels is being done daily. WHC reported that the current evaporation rate is 3000 gallons/week, and approximately 280,000 gallons remain in the basins to be solidified.

2. Liquid Hazardous Waste Removal

The batch mixer has been lowered into the Basin #3 and final preparation for operating the mixer are almost completed. The tanks have been located next to the basins and all necessary piping has been installed. The first shipment of the solidification material has arrived in both the bulk containers and makeup sacks. The solidification process is scheduled to start during the week of June 19, 1989.

3. Basin Decontamination

Discussion was held on basin decontamination progress to date. Sandblasting of Basin #1 was completed. Preliminary concrete sampling and analysis information was given to Mr. Witczak completing Action Item #1 from the May meeting minutes. Based on the preliminary results from the sandblasting and sampling in Basin #1, WHC proposed that only the scale/flakes and non-adherent liner be removed from Basin #4. Removal of the entire liner will not be conducted. WHC feels that this action would meet the intent of the regulations on waste minimization. Mr. Witczak stated that he concurs that this amount of decontamination

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would meet the regulations. This discussion completed Action Item #2 from the May meeting minutes. WHC stated more "swipe" sampling is to be completed next week. Decontamination equipment is currently being moved to Basin #4.

4. Basin Sampling/Analysis

WHC informed Mr. Witczak that the soil sampling plan will be added to the revised closure plan and is currently going through WHC internal review. The sampling also needs DOE-RL review before a predecisional draft can be given to Ecology.

5. Facility Demolition

No discussion held during this meeting.

6. Contaminated Soil Characterization

WHC discussed briefly the plan/timing for taking the soil samples from below the basin floors. WHC is pursuing the possibilities of accelerating the Phase I sampling of contaminated soil under Basin #1. Non-protocol sampling of the soil would be of limited use and cost as much as protocol sampling. A schedule is being developed and resources are being reviewed to possibly initiate sampling under Basin #1 by the first quarter of fiscal year 1990. This discussion completes Action Item #4 from the May meeting minutes.

7. Cover Engineering Design and Installation

A brief discussion was held concerning the cover design. WHC reported that a draft scope of work for preparation of a Functional Design Criteria (FDC) has been prepared and the proposed performance aspects for design are in preparation. Mr. Witczak requested that the performance criteria be provided to Ecology. This discussion completes Action Item #5 from the May meeting minutes.

8. Ground Water Well Monitoring

No major discussion held during this meeting. WHC stated that when monthly sampling occurs, it will occur at one of the point of compliance wells downstream of the basins. Mr. Witczak pointed out that if no sample is taken from an upgradient well then WHC will have a difficult time determining if the spike is from the basins or from and upstream activity. It was also noted that quarterly sampling will continue for all the wells.

9. NOD Response Table and Closure Plan Revision

Discussions centered on gaining concurrence of the NOD response table and preparation of the revised closure plan. WHC position is that the schedule cannot be advanced for the final closure of the basins occurring in 1992. However, WHC stated as with all projects, that every effort will be made to accelerate the schedule whenever possible. Mr. Witczak stated that he would support this date, however, he would not guarantee at this time Ecology's concurrence.

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10. General

A discussion was held concerning the two drums noted at the basins during the site visit on June 12, 1989. The drums, which were located inside the fenced-off basin area, are open and contain concrete debris resulting from the removal of the catwalk and flocculator structural supports. The drums were uncovered and contain some moisture resulting from recent precipitations. Some of the drums were corroded. WHC stated that the contents in the drums will be packaged, labeled, and properly disposed as radioactive mixed waste. Some sampling of the material will also be completed for follow-up information. Mr. Witczak also requested that WHC and DOE-RL inspect other drums at the Mixed Waste Storage Facility for similar corrosion/leakage.

ACTION ITEMS

1. Finalize and issue April Unit Manager Meeting report:
Action: M. C. Hughes Date: June 20, 1989
2. Repackage waste from the two drums noted on site visit:
Action: M. C. Hughes Date: To be determined
3. Send a blank copy of the WHC hazardous waste permit form to Ecology:
Action: M. A. Mihalic Date: June 30, 1989
4. Revise NOD response table to evaluated if a revision is needed based on the June 8, 1989 Ecology letter as per the actual closure plan revision:
Action: S. B. Clifford/C. J. Geier Date: July 18, 1989
5. Determine if performance criteria for the FDC is available for transmittal to Ecology.
Action: M. A. Mihalic/C. J. Geier Date: July 18, 1989
6. Determine the appropriateness of using Kaiser Engineers for independent certification of closure activities.
Action: J. J. Witczak Date: July 18, 1989

MEETING SCHEDULE

The procedure for obtaining final signatures on the unit manager meeting minutes was reached. After review by Ecology, DOE-RL, EPA (if attended) and WHC, two originals (three if EPA attends) will be signed by DOE-RL and sent to Ecology for signature. Ecology will sign both originals, keep one for their files, and return one signed original to DOE-RL. After signatures of both (or all three parties), distribution will be made. The next 183-H Solar Evaporation Basin Unit Managers Meeting was scheduled for Tuesday, July 18, 1989.

J. J. Witczak, Ecology

J. P. Sands, DOE-RL